

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR4		
N/C	INITIAL RELEASE	01/13/09	P. BRAVO
A	INCORPORATED ECNS 02938, 03000, 03044, 03066	02/16/11	P. BRAVO
B	INCORPORATED ECN 05325	03/09/16	P. BRAVO
C	INCORPORATED ECN 05550, 05465	11/01/16	P. BRAVO
D	INCORPORATED ECN 05882	11/27/17	P. BRAVO
E	INCORPORATED ECN 05907	02/06/20	P. BRAVO
F	INCORPORATED ECN 06485	06/02/20	FOR P. BRAVO

A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	4	601.2045	RTV	LOCTITE 598	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	3	600.1012	SEALANT	PR-1425 CLASS B	
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	2	600.0991	MAGNOBOND 6398 PART B			
A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	1	600.0990	MAGNOBOND 6398 PART A			
X									1								1											647.7361	T3H/P3H UPR CTR REMOVABLE PROVISIONS			
	X																1				1							647.7352	T2/P2/T3/P3/T3H/P3H SKID DEFLECTOR ASSEMBLY			
		X																							1			647.7351	T1/P1 SKID DEFLECTOR ASSEMBLY			
			X														1					1			1			647.7341	UNIVERSAL WIPER DEFLECTOR ASSEMBLY			
				X	1												1		1		1							647.7335	T2/P2/T3/P3/T3H/P3H LWR CTR REMOVABLE PROVISIONS			
					X																							647.7334	T2/P2/T3/P3/T3H/P3H LOWER CUTTER ASSEMBLY			
						X		1															1					647.7333	T1/P1 LWR CTR REMOVABLE PROVISIONS			
					1		X	1										1			1			1				647.7332	UNIVERSAL LWR CTR FIXED PROVISIONS			
							X																					647.7331	T1/P1 LOWER CUTTER ASSEMBLY			
								X																				647.7329	T3H/P3H UPPER CUTTER ASSEMBLY			
									X	1										1								647.7328	T3/P3 UPR CTR REMOVABLE PROVISIONS			
										X																		647.7327	T3/P3 UPPER CUTTER ASSEMBLY			
											X		1							1								647.7326	T2/P2 UPR CTR REMOVABLE PROVISIONS			
								1		1		X	1								1							647.7325	T2/P2/T3/P3 UPR CTR FIXED PROVISIONS			
												X																647.7324	T2/P2 UPPER CUTTER ASSEMBLY			
														X		1									1			647.7323	T1/P1 UPR CTR REMOVABLE PROVISIONS			
														X	1											1		647.7322	T1/P1 UPR CTR FIXED PROVISIONS			
															X											1		647.7321	T1/P1 UPPER CUTTER ASSEMBLY			
																X	1											647.7310	T3H/P3H REMOVABLE PROVISIONS			
																	X											647.7309	T3H/P3H CABLE CUTTER KIT ASSEMBLY			
																		X	1									647.7308	T3/P3 REMOVABLE PROVISIONS			
																			X									647.7307	T3/P3 CABLE CUTTER KIT ASSEMBLY			
																				X		1						647.7306	T2/P2 REMOVABLE PROVISIONS			
																				1		X	1					647.7305	T2/P2/T3/P3 FIXED PROVISION			
																							X					647.7304	T2/P2 CABLE CUTTER KIT ASSEMBLY			
																								X		1		647.7303	T1/P1 REMOVABLE PROVISIONS			
																									X	1		647.7302	T1/P1 FIXED PROVISIONS			
																										X		647.7301	T1/P1 CABLE CUTTER KIT ASSEMBLY			
7361	7352	7351	7341	7335	7334	7333	7332	7331	7329	7328	7327	7326	7325	7324	7323	7322	7321	7310	7309	7308	7307	7306	7305	7304	7303	7302	7301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)		11/24/09	
		DRAWN BY		CHECKER	
		A. QUAN		D. BARKER	
		DRAWING APPROVAL			
		P. BRAVO		01/13/10	
		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED			
		DIMENSIONS ARE IN INCHES			
		TOLERANCES ARE:			
		2 PLACE DECIMALS ±.01			
		3 PLACE DECIMALS ±.005			
		ANGLES ± .5°			
		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	647.7300	F
		SCALE NONE			SHEET 1 OF 25

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A

B

C

D

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ORIGINAL DATE
(MO-DA-YR) 11/24/09

DRAWN BY
A. QUAN

CHECKER
D. BARKER

DRAWING APPROVAL
P. BRAVO
01/13/10

CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE
B

CAGE CODE
07MZ6

DWG. NO.
647.7300

REV.
F

SCALE NONE

SHEET 2 OF 25

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

NOTES UNLESS OTHERWISE SPECIFIED:

- 1 AFTER INSTALLATION, APPLY SEALANT (F/N 3) A/R TO FILL GAPS AND FILLET EDGES.
- 2 APPLY RTV (F/N 4) TO FAYING SURFACES BETWEEN FIXED (647.7322 OR 647.7325) AND REMOVABLE (647.7323 OR 647.7326 OR 6477328 OR 647.7361) PROVISIONS.
- 3 MATCH DRILL HOLES THROUGH MOUNTING CHANNEL (F/N 51) OR UPPER U CHANNEL (F/N 106) AND FUSELAGE.
- 4 SHIM GAP (WITH F/N 66) BETWEEN FIXED (647.7322) & REMOVABLE (647.7323) PROVISIONS AS NEEDED.
- 5 AT CUSTOMER'S OPTION, INSTALL GPS MOUNT (F/N 46) BY MATCH DRILLING ONTO UPPER CUTTER ASSY (F/N 29 OR F/N 30 OR F/N 31 or F/N 47).
- 6 EXCEPT WHERE NOTED, INSTALLATION FOR 647.7304, 647.7307, AND 647.7309 ARE THE SAME AS 647.7301.
- 7 CUT LENGTH: 16 INCHES
- 8 INSTALLATION FOR 647.7307 AND 647.7304 ARE IDENTICAL EXCEPT 647.1405 (F/N 30) REPLACES 647.1404 (F/N 29) ON 647.7304.
- 9 INSTALLATION FOR 647.7309 AND 647.7304 ARE IDENTICAL EXCEPT 647.1406 (F/N 31) REPLACES 647.1404 (F/N 29) ON 647.7304.
- 10 INSTALL F/N 113 WHEN OEM FIXED PROVISIONS ARE INSTALLED. F/N 26 & F/N 70 ARE NOT INSTALLED IF OEM PROVISIONS ARE INSTALLED.

[illegible]

ORIGINAL DATE (MO-DA-YR)	11/24/09	 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300			
DRAWN BY A. QUAN	CHECKER D. BARKER				
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE			
CONTRACT NO.		EC135 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	647.7300	F
		SCALE NONE		SHEET	4 OF 25

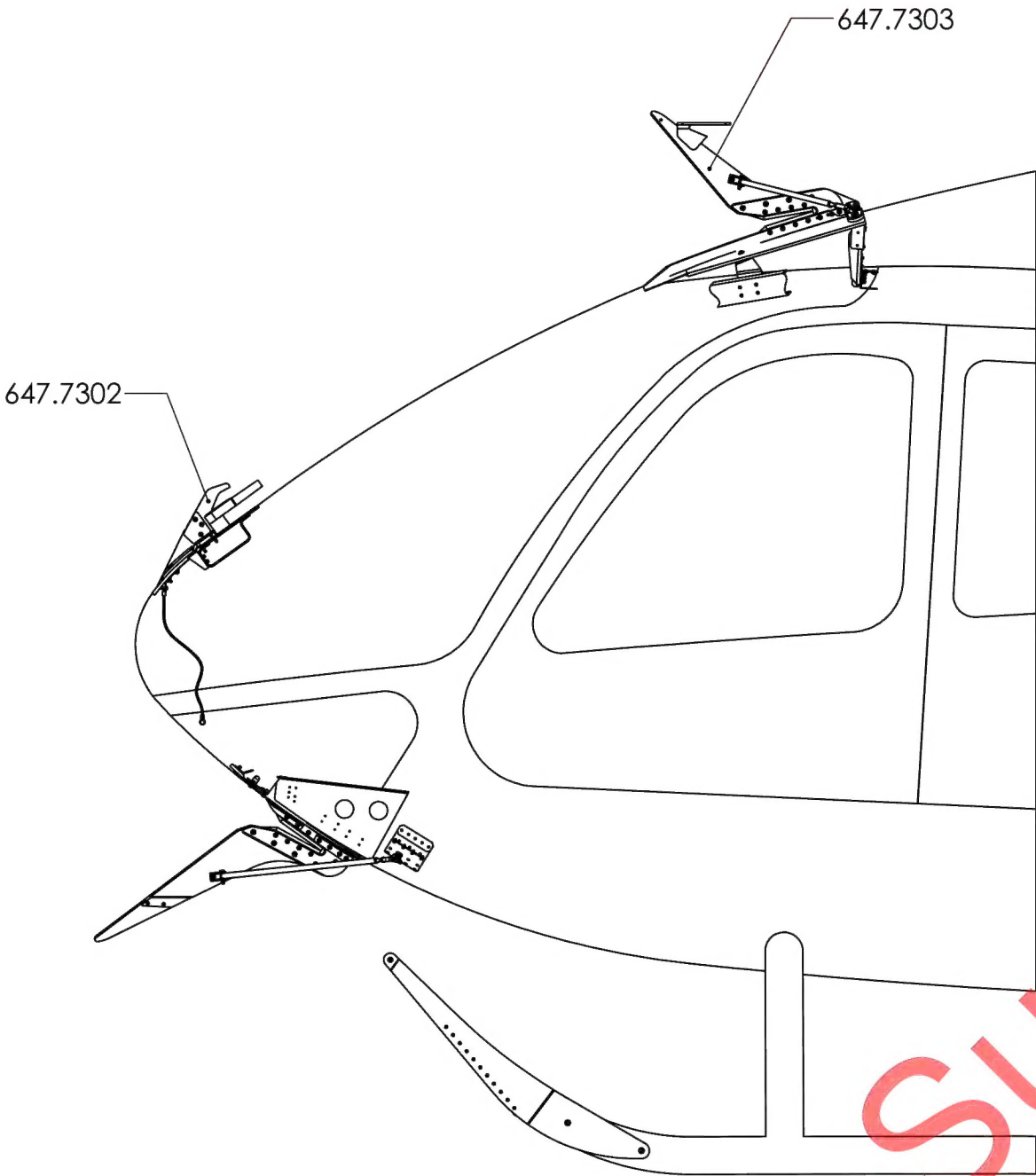
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A

B

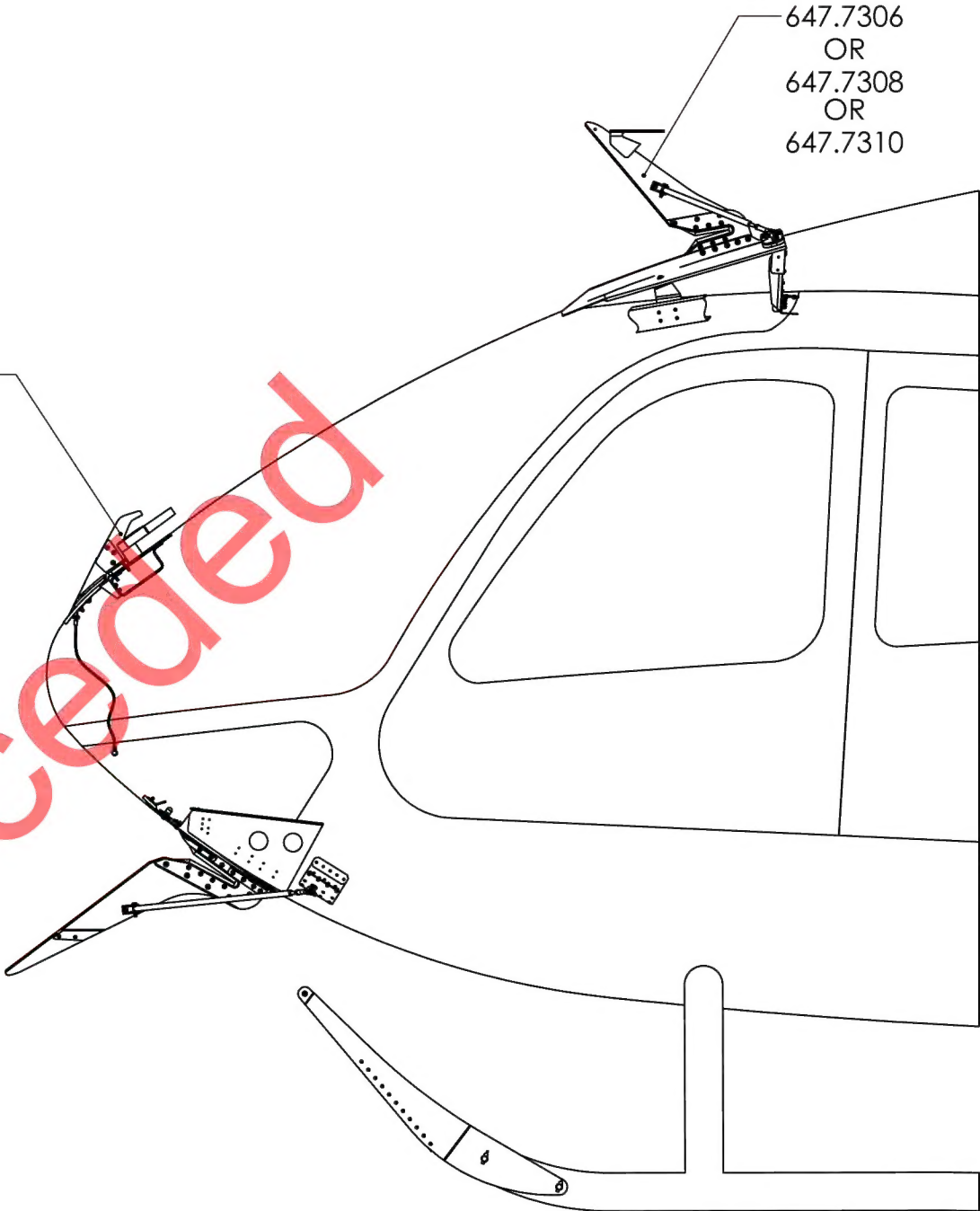
C

D



647.7301 T1/P1 CABLE CUTTERS KIT

647.7305



647.7304 T2/P2 CABLE CUTTERS KIT (SHOWN)
647.7307 T3/P3 CABLE CUTTERS KIT (TYP)
647.7309 T3H/P3H CABLE CUTTERS KIT (TYP)



ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°



3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

EC135 CABLE CUTTERS KIT

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.7300	F
SCALE NONE		SHEET 5 OF 25	

A

B

9

D

647.7302 T1/P1 FIXED PROVISIONS

647.7303 T1/P1 REMOVABLE PROVISIONS

ORIGINAL DATE (MO-DA-YR)		11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER	
DRAWING APPROVAL P. BRAVO 01/13/10		
CONTRACT No.		

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE		SHEET 6 OF 25	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A

B

C

D

647.7341

647.7325

647.7332

647.7352

647.7305 T2/P2/T3/P3/T3H/P3H FIXED PROVISIONS

647.7335

647.7326

OR

647.7328

8

OR

647.7361

9

647.7306 T2/P2 REMOVABLE PROVISIONS (SHOWN)
647.7308 T3/P3 REMOVABLE PROVISIONS (TYP)
647.7310 T3H/P3H REMOVABLE PROVISIONS (TYP)

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

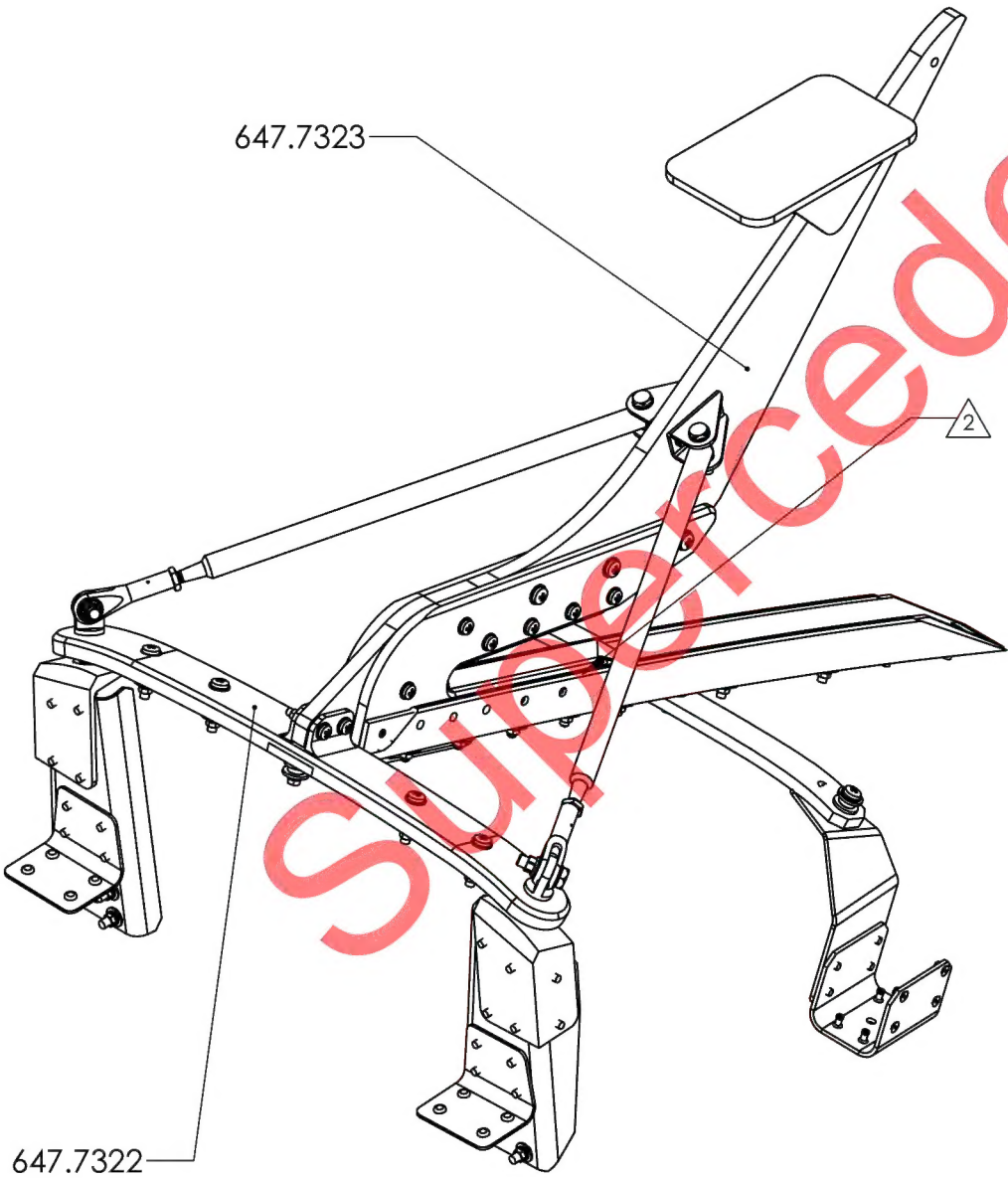
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE	SHEET 7 OF 25		

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



647.7321 T1/P1 UPPER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR) 11/24/09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B 07MZ6	REV. F
		DWG. NO. 647.7300	
SCALE NONE		SHEET 8 OF 25	

A

B

C

D



ORIGINAL DATE (MO-DA-YR)		11/24/09		 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. GUAN		CHECKER D. BARKER					
DRAWING APPROVAL P. BRAVO 01/13/10				EC135 CABLE CUTTERS KIT			
CONTRACT NO.							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°				SIZE	CAGE CODE	DWG. NO.	REV.
				B	07MZ6	647.7300	F
				SCALE NONE		SHEET	9 OF 25


A

B

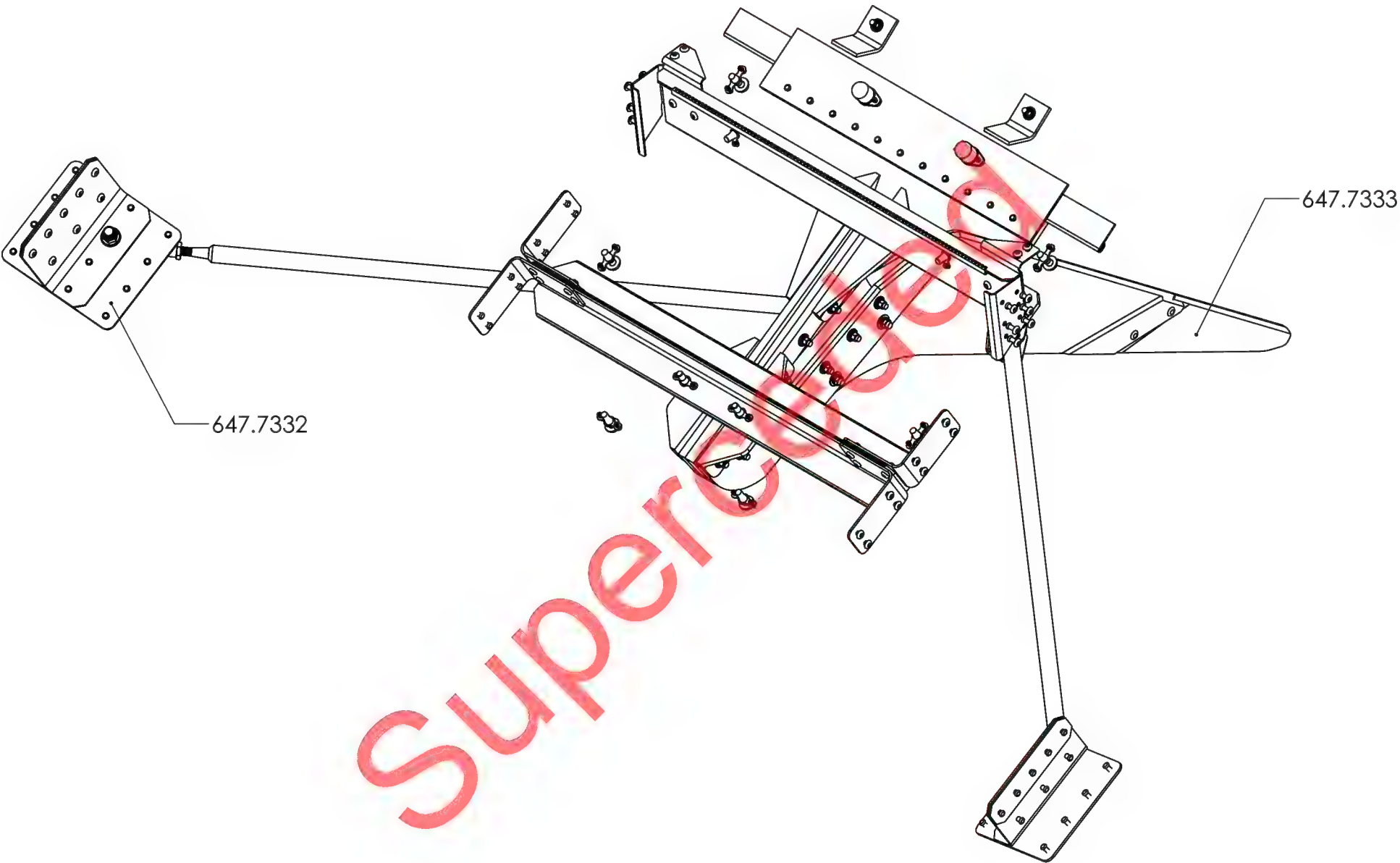
C

D



ORIGINAL DATE (MO-DA-YR)		11/24/09		 DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE					
DRAWN BY A. QUAN		CHECKER D. BARKER							
DRAWING APPROVAL P. BRAVO 01/13/10				EC135 CABLE CUTTERS KIT					
CONTRACT NO.									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°									
						SIZE	CAGE CODE	DWG. NO.	REV.
						B	07MZ6	647.7300	F
						SCALE NONE		SHEET	10 OF 25

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647.7331 T1/P1 LOWER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	



DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

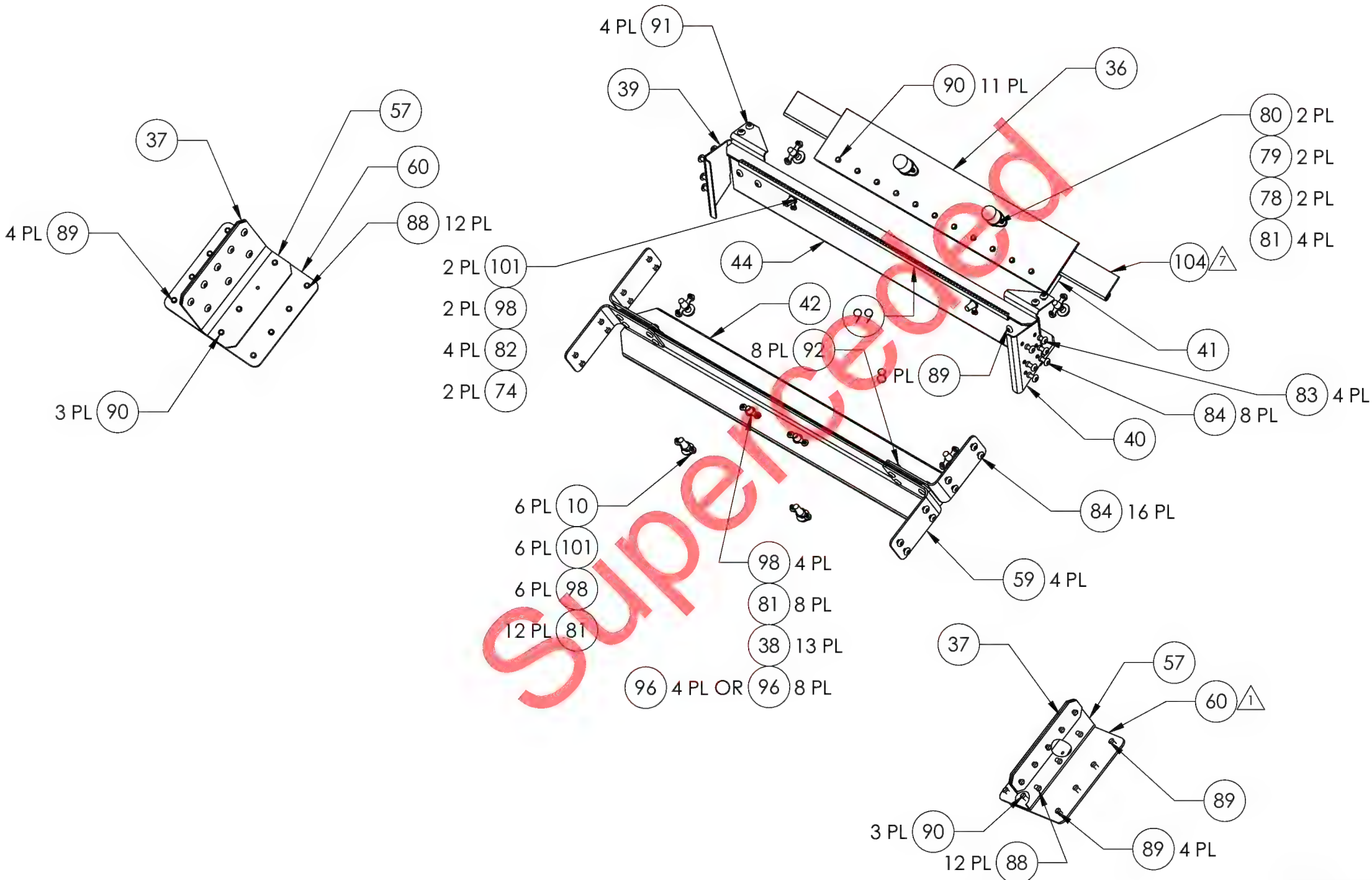
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.7300	F
SCALE	NONE	SHEET	11 OF 25

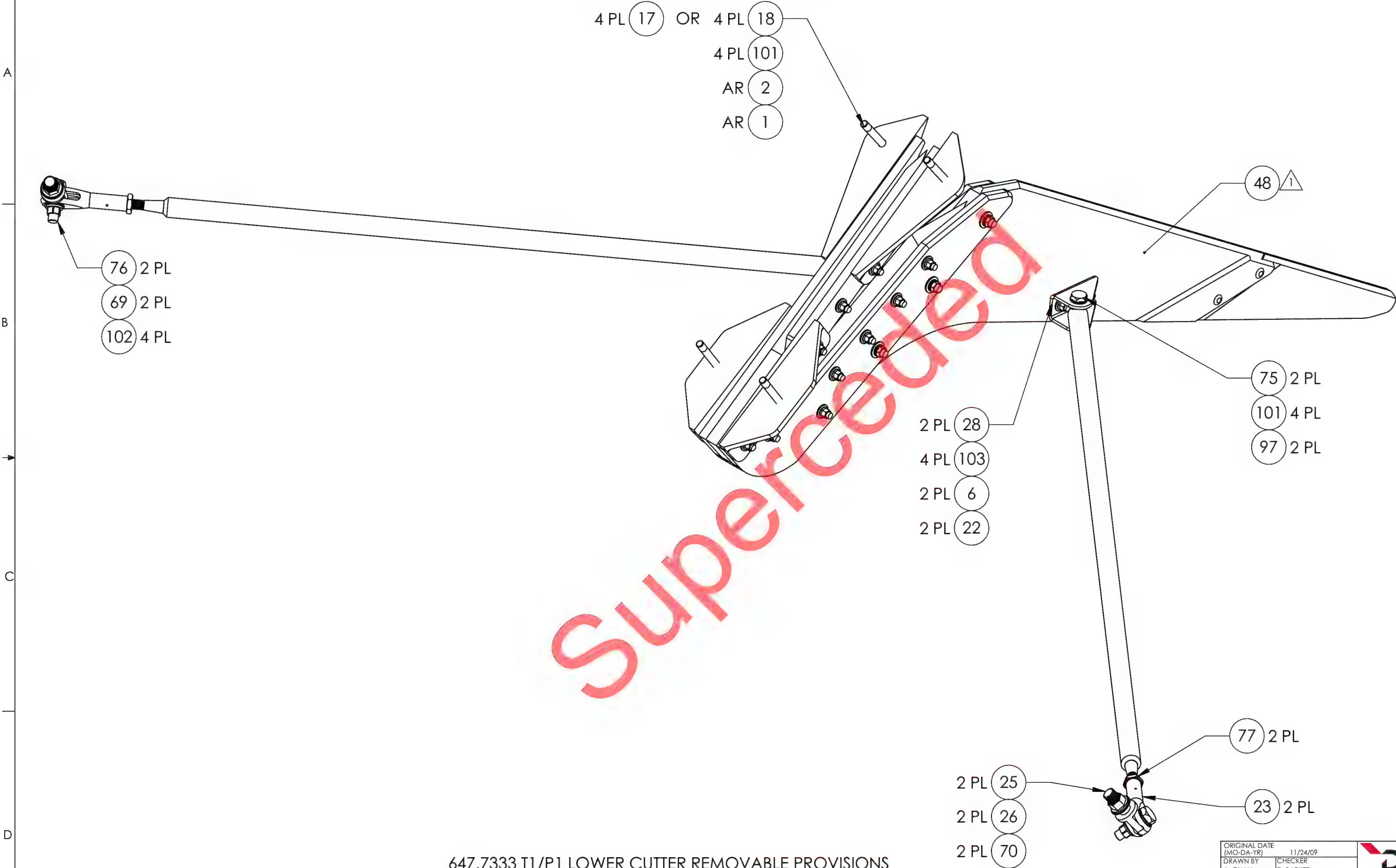
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647.7332 UNIVERSAL LOWER CUTTER FIXED PROVISIONS

ORIGINAL DATE (MO-DA-YR) 11/24/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B 07MZ6	REV. F
		DWG. NO. 647.7300	SHEET 12 OF 25
SCALE NONE			

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647.7333 T1/P1 LOWER CUTTER REMOVABLE PROVISIONS

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	

**DART**
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

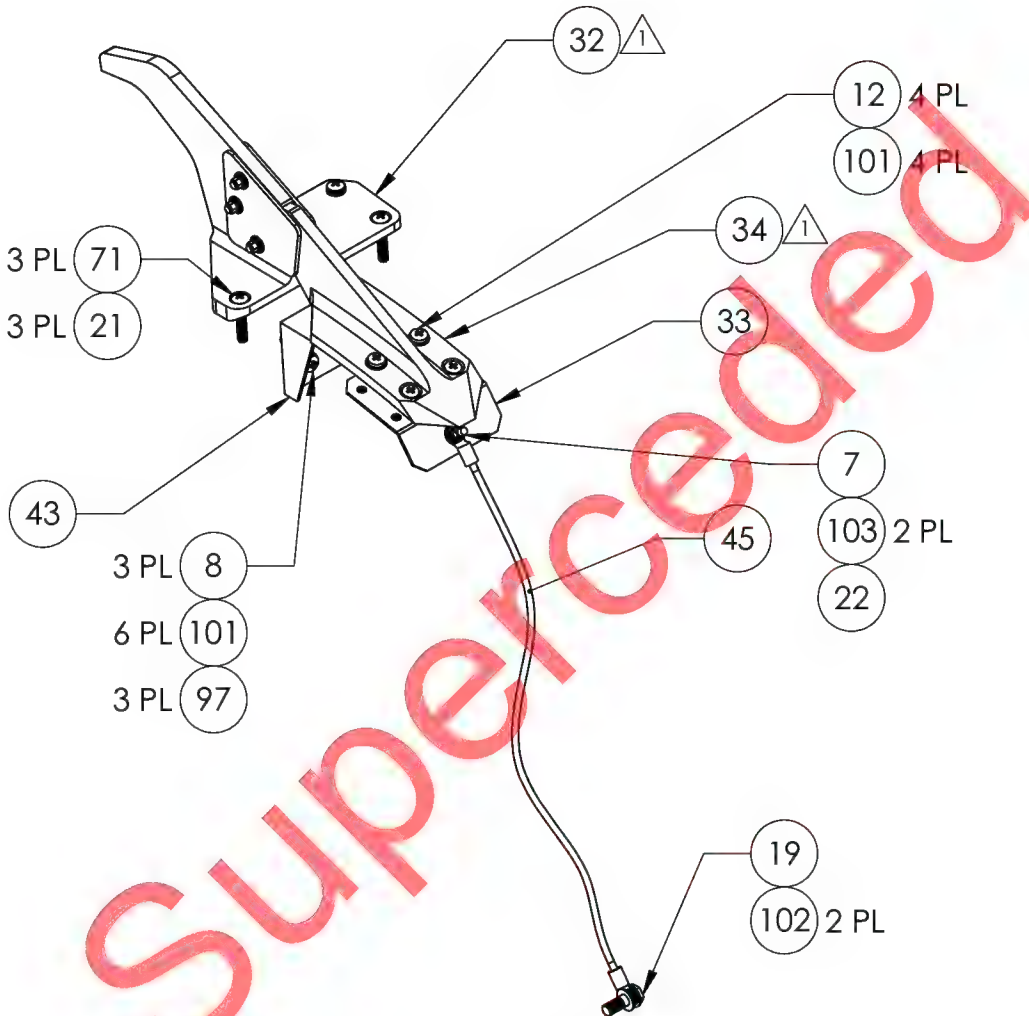
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.7300	F
SCALE NONE		SHEET 13 OF 25	

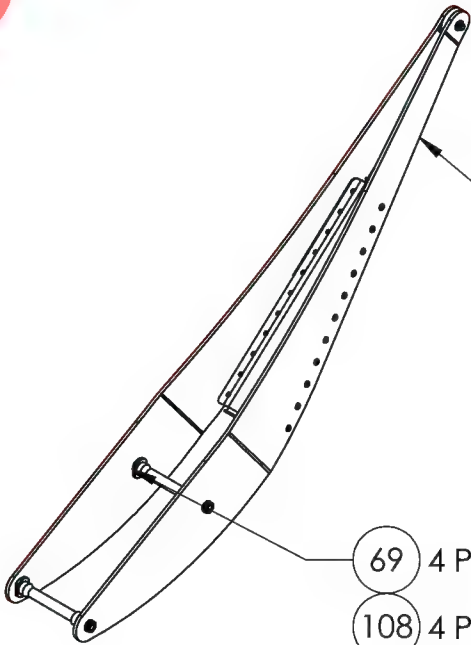
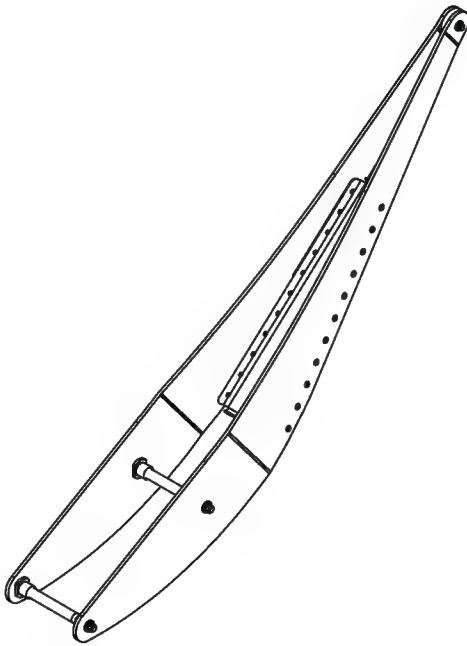
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



647.7341 UNIVERSAL WIPER DEFLECTOR ASSEMBLY

ORIGINAL DATE (MO-DA-YR) 11/24/09		<div><div><div>DART</div><div>AEROSPACE</div></div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div></div>	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B 07MZ6	REV. F
		DWG. NO. 647.7300	
SCALE NONE		SHEET 14 OF 25	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



107 2 PL
1

69 4 PL
108 4 PL
109 4 PL
110 8 PL
111 4 PL

647.7351 T1/P1 SKID DEFLECTOR ASSEMBLY

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	



DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

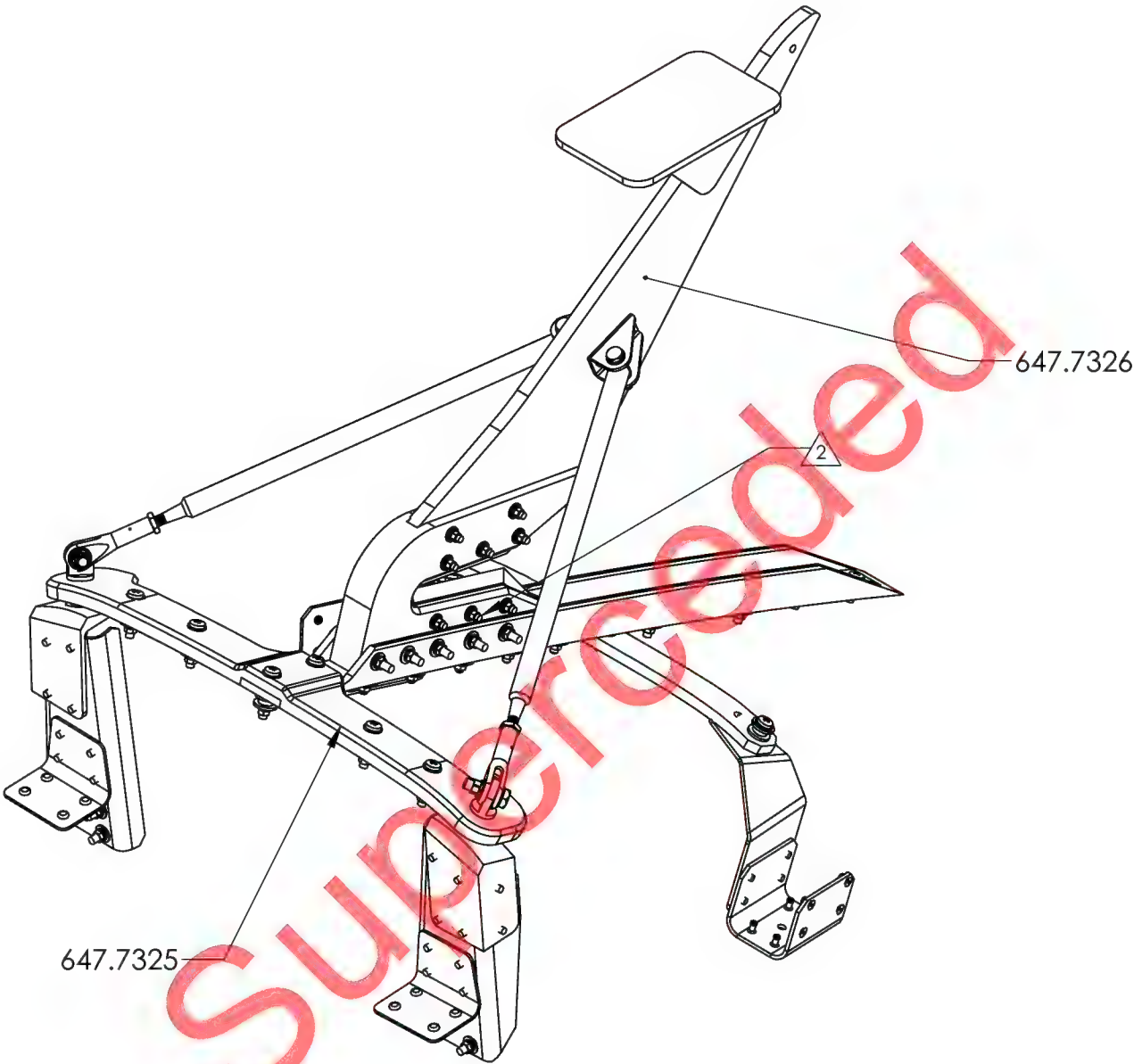
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE	SHEET 15 OF 25		

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647.7324 T2/P2 UPPER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
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VISTA, CA. 92081
(760)-724-5300

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE	NONE	SHEET	16 OF 25

2 PL 68
AR 2
AR 1

101 8 PL
97 4 PL
67 4 PL
14 4 PL
2 AR
1 AR

101	4 PL
97	2 PL
67	2 PL
15	2 PL
2	AR
1	AR

101 2 PL

97

67

13

2 AR

1 AR

3

101 4 PL
 97 2 PL
 9 2 PL

4 PL (101)
2 PL (97)
2 PL (67)
2 PL (16)

101 5 PL
97 5 PL
67 5 PL
100 5 PL
2 AR
1 AR
3

101 4 PL
97 2 PL
67 2 PL
11 2 PL
2 AR
1 AR
3

2 PL (

64

8 PL 101
8 PL 95

55

94 12 PL

93 16 PL

20 PL 101
10 PL 97
10 PL 9

5 PL (86)

8 PL (85)

87 8X

58 2 PL

ORIGINAL DATE (MO-DA-YR)		11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER	
DRAWING APPROVAL P. BRAVO 01/13/10		
CONTRACT No.		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
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(760)-724-5300

EC135 CABLE CUTTERS KIT

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE		SHEET 17 OF 25	

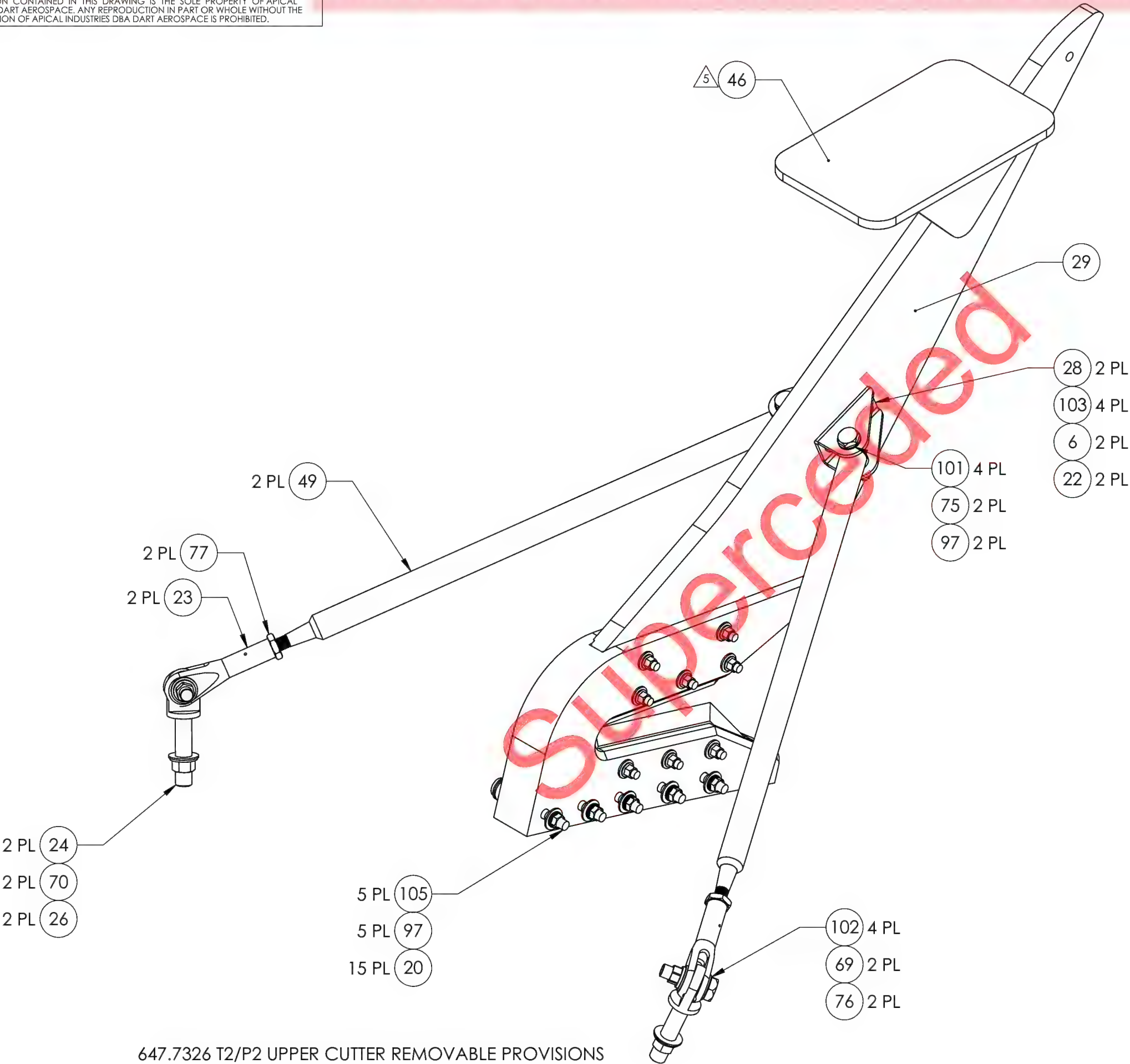
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A

B

C

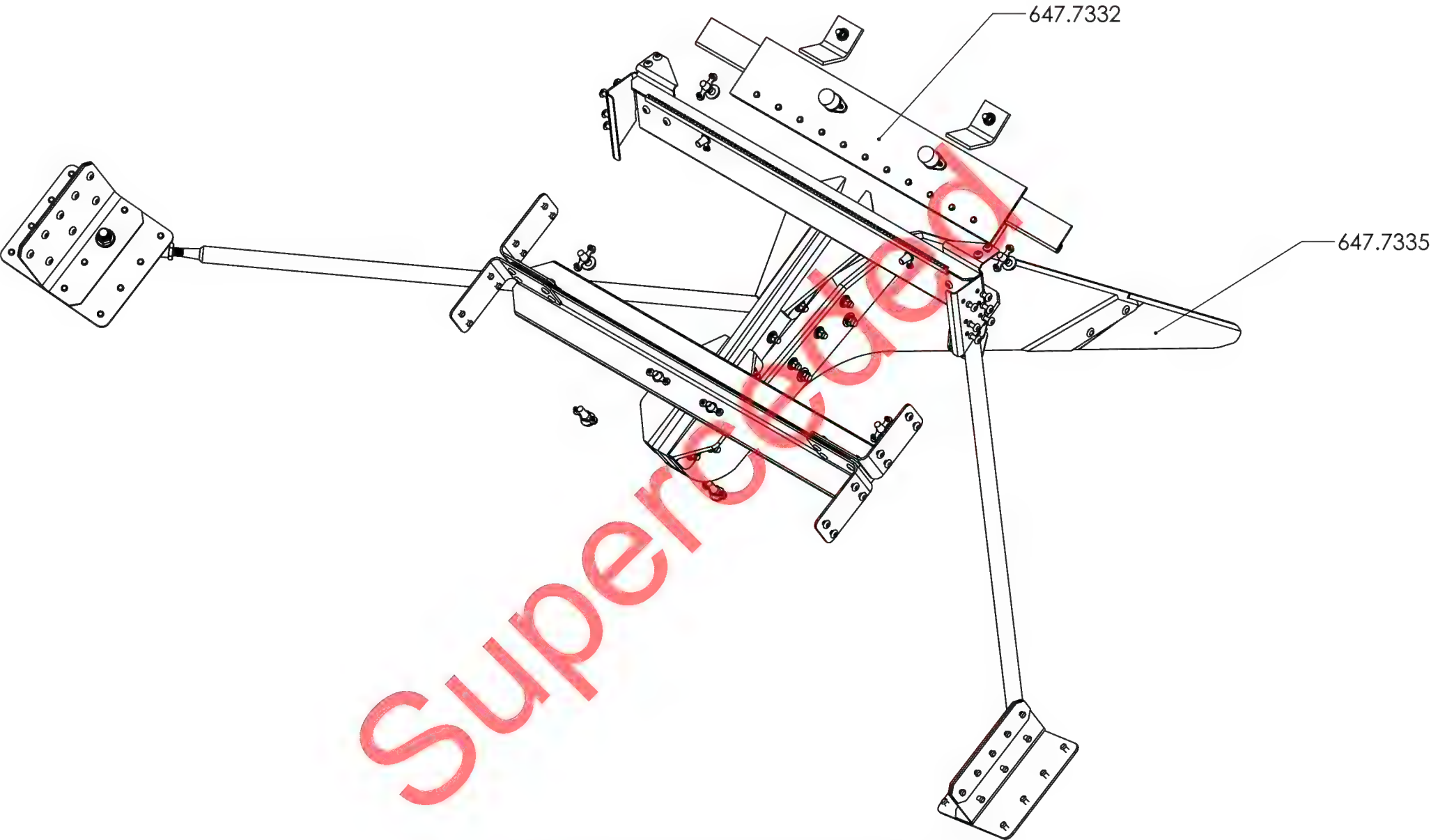
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647.7326 T2/P2 UPPER CUTTER REMOVABLE PROVISIONS

ORIGINAL DATE (MO-DA-YR) 11/24/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B 07MZ6	REV. F
		DWG. NO. 647.7300	SHEET 18 OF 25
SCALE NONE			

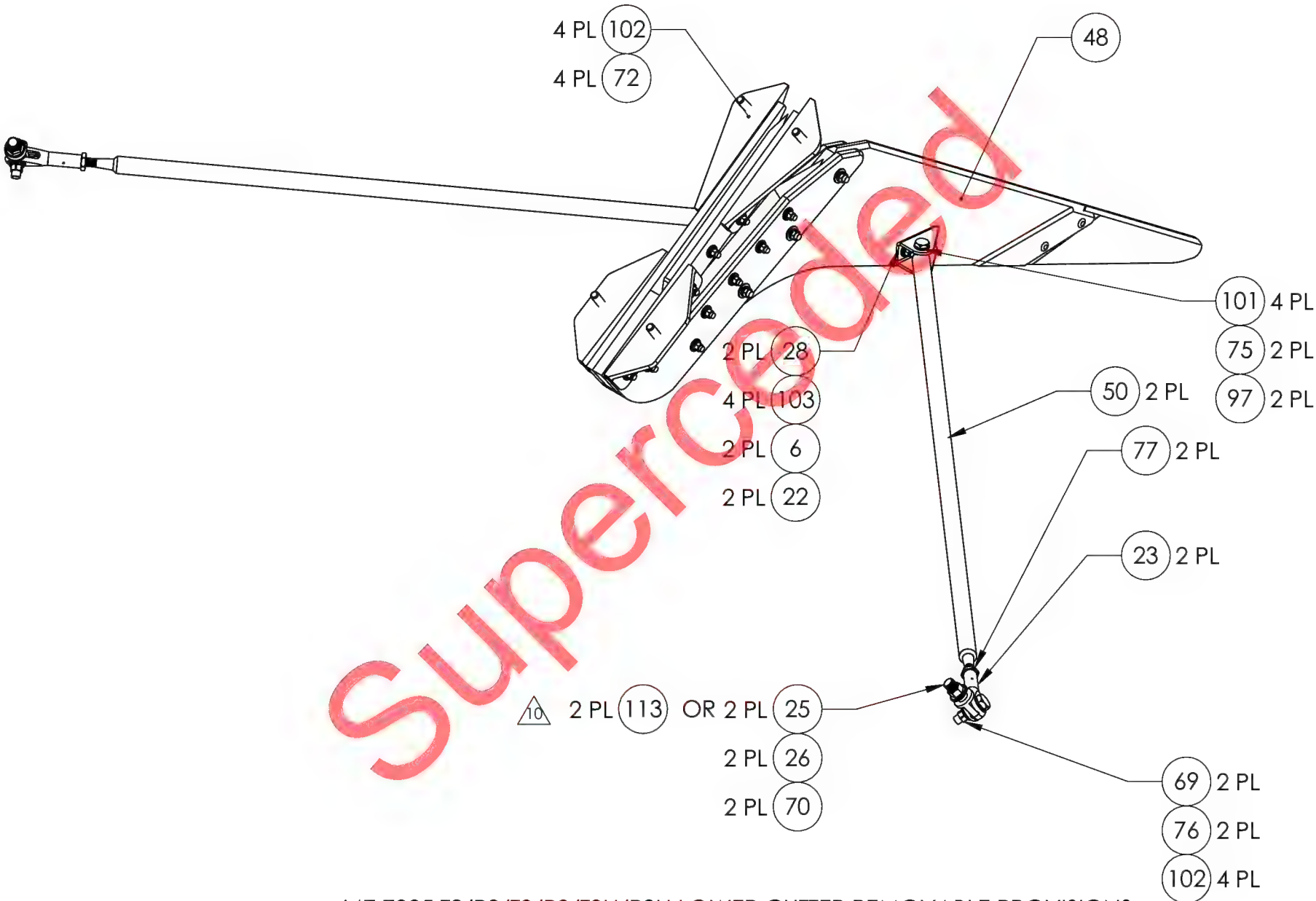
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647.7334 T2/P2/T3/P3/T3H/P3H LOWER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR) 11/24/09		 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300		
DRAWN BY A. QUAN	CHECKER D. BARKER				
DRAWING APPROVAL P. BRAVO 01/13/10					
CONTRACT No.		EC135 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE		SHEET 19 OF 25			

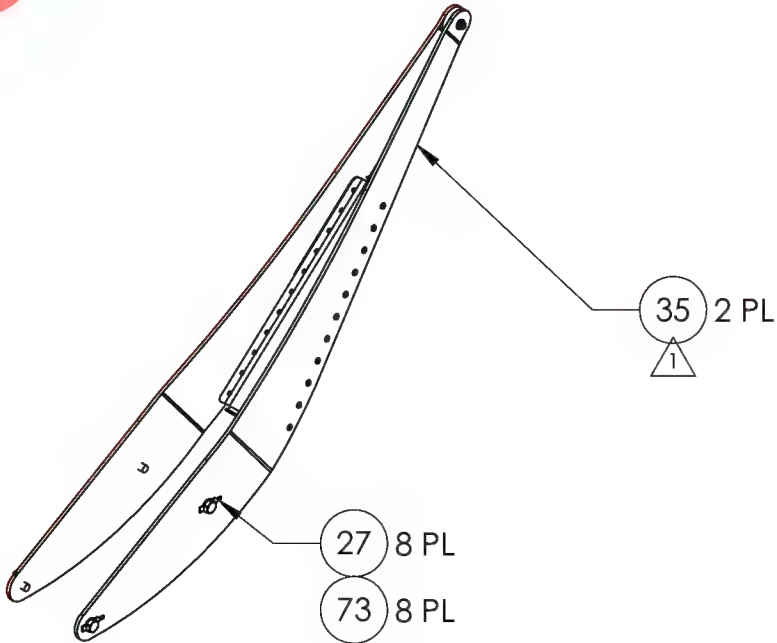
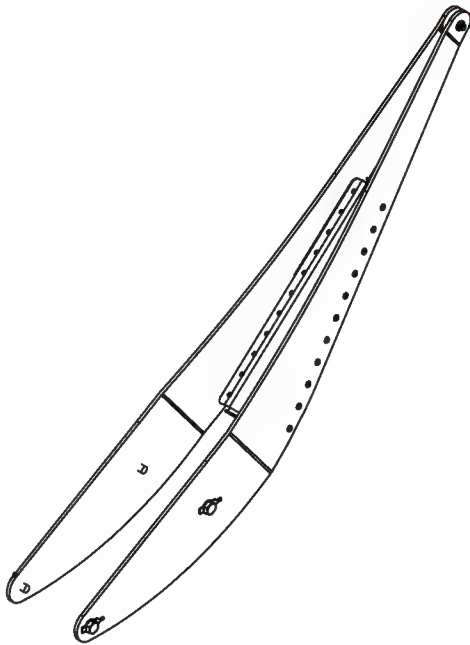
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



647.7335 T2/P2/T3/P3/T3H/P3H LOWER CUTTER REMOVABLE PROVISIONS

ORIGINAL DATE (MO-DA-YR) 11/24/09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10			
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE	REV.
		CAGE CODE 07MZ6	F
		DWG. NO. 647.7300	
SCALE NONE		SHEET	20 OF 25

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647.7352 T2/P2/T3/P3/T3H/P3H SKID DEFLECTOR ASSEMBLY

ORIGINAL DATE (MO-DA-YR)		11/24/09	
DRAWN BY A. QUAN		CHECKER D. BARKER	
DRAWING APPROVAL P. BRAVO 01/13/10			
CONTRACT No.			



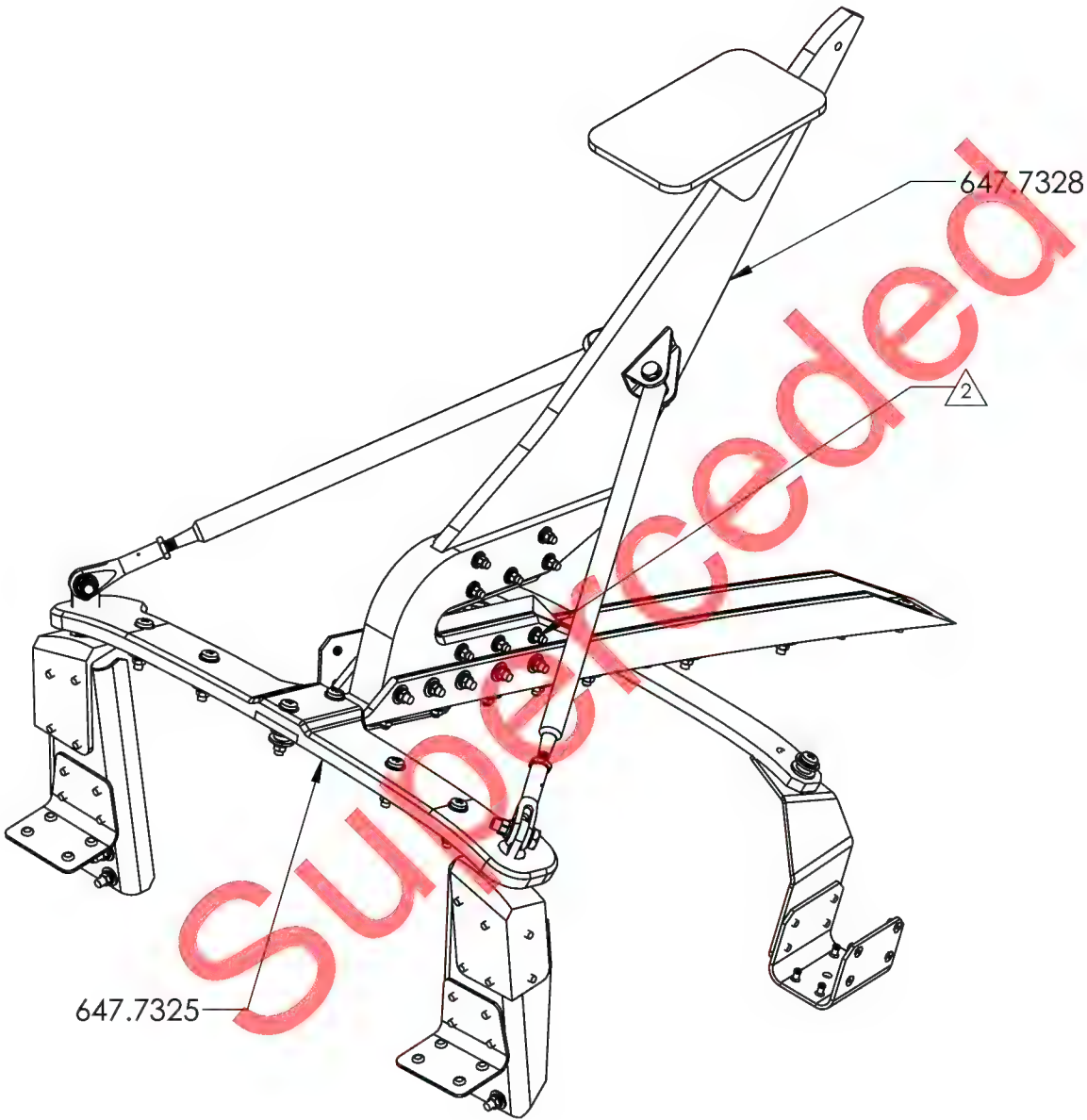
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°			
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EC135 CABLE CUTTERS KIT			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE		SHEET 21 OF 25	

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647.7327 T3/P3 UPPER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR)	11/24/09
DRAWN BY A. QUAN	CHECKER D. BARKER
DRAWING APPROVAL P. BRAVO 01/13/10	
CONTRACT No.	



3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

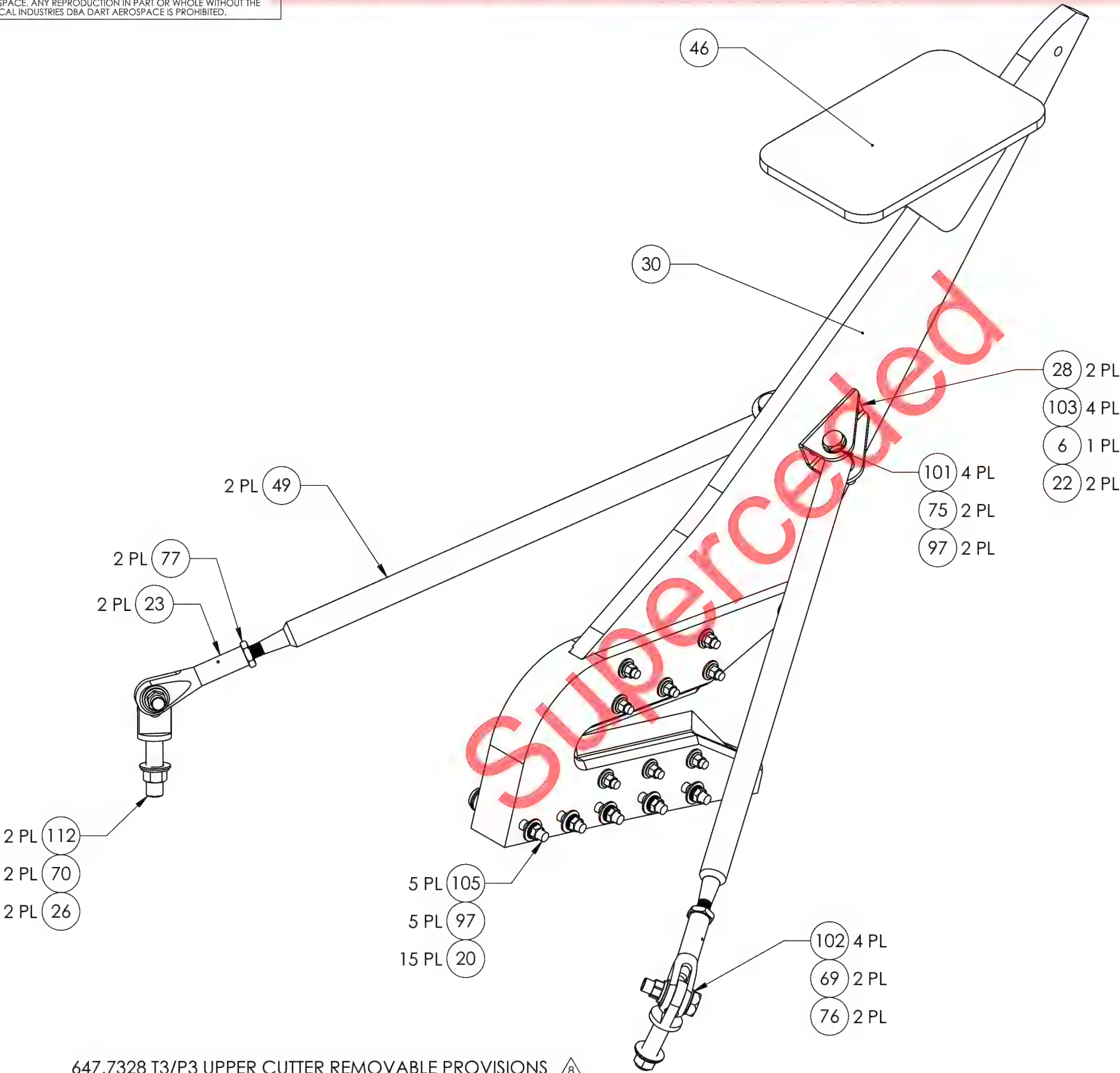
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

EC135 CABLE CUTTERS KIT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE	NONE	SHEET	22 OF 25

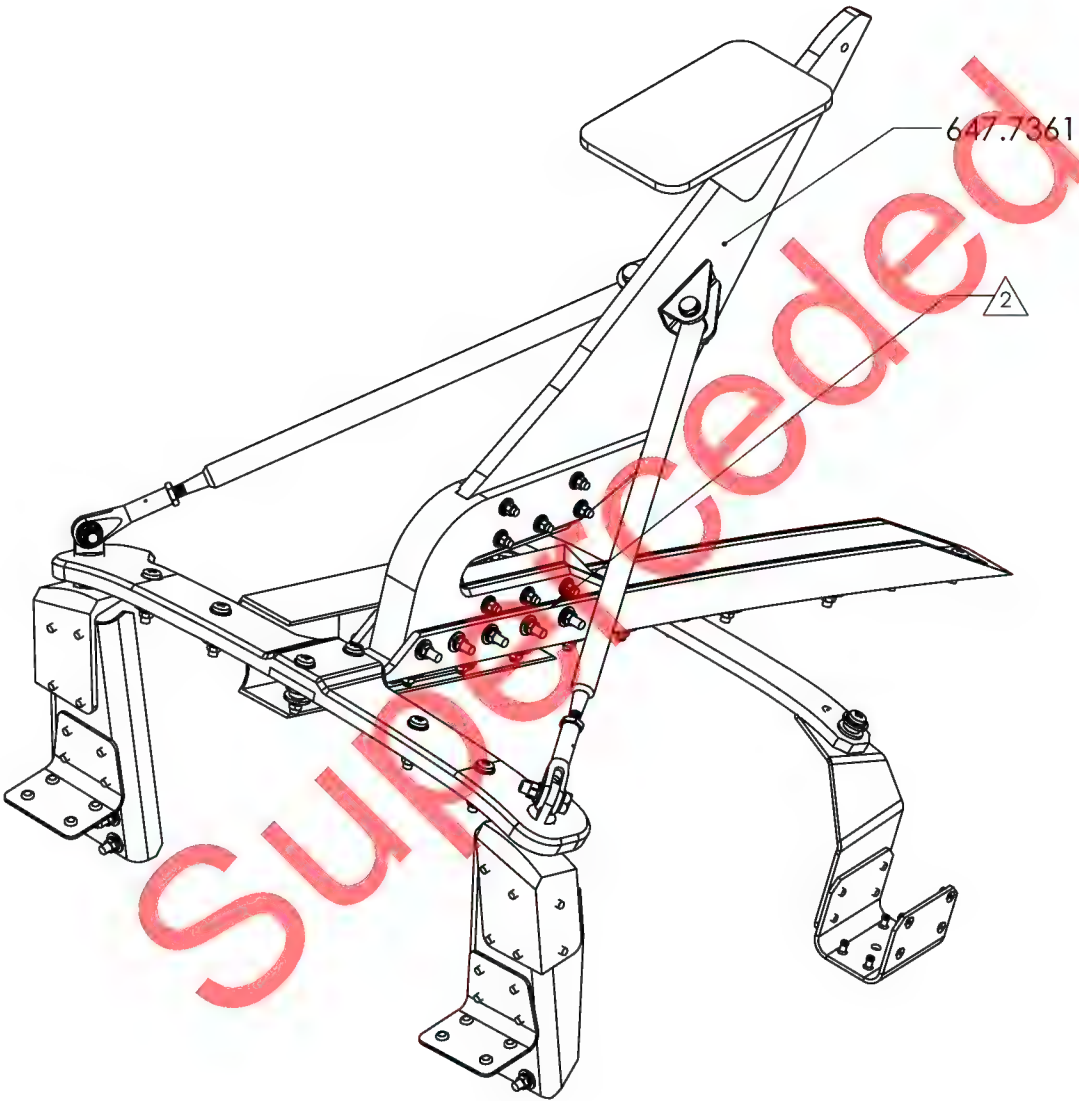
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647.7328 T3/P3 UPPER CUTTER REMOVABLE PROVISIONS

ORIGINAL DATE (MO-DA-YR) 11/24/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B 07MZ6	REV. F
		DWG. NO. 647.7300	SHEET 23 OF 25
SCALE NONE			

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647.7329 T3H/P3H UPPER CUTTER ASSEMBLY

ORIGINAL DATE (MO-DA-YR) 11/24/09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY A. QUAN	CHECKER D. BARKER		
DRAWING APPROVAL P. BRAVO 01/13/10		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		EC135 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. F
		CAGE CODE 07MZ6	DWG. NO. 647.7300
SCALE NONE		SHEET 24 OF 25	

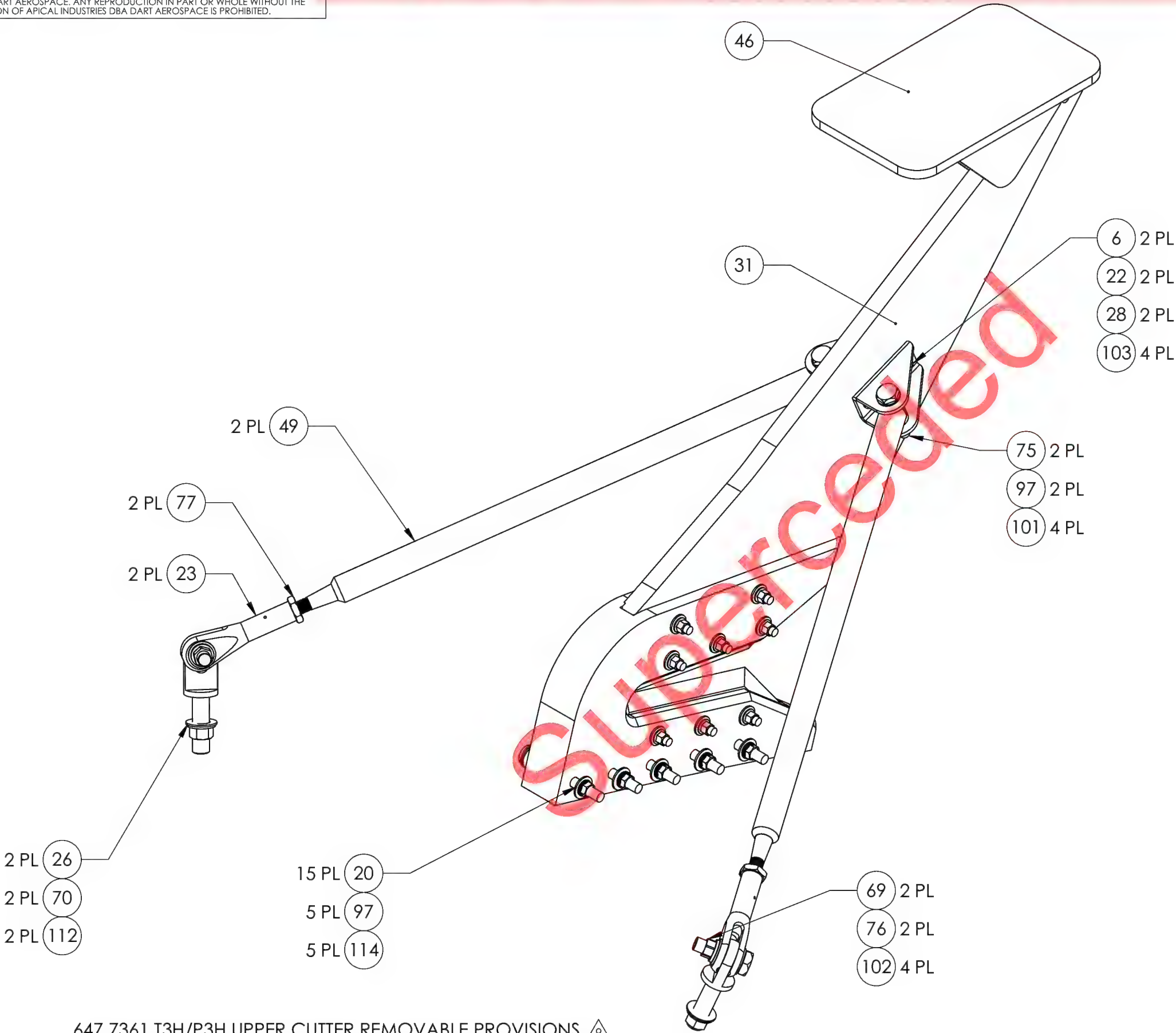
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A


B

C

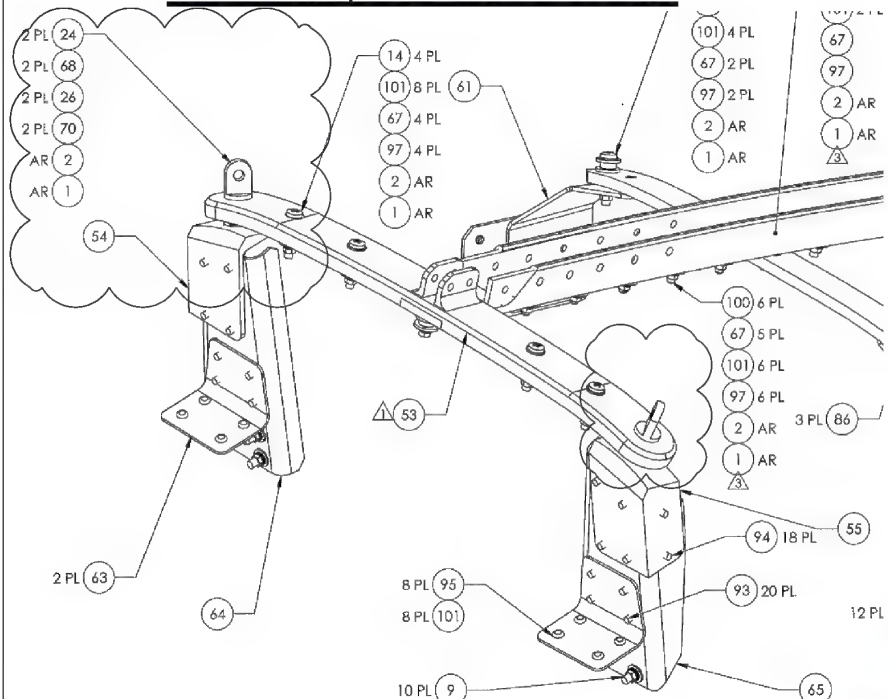
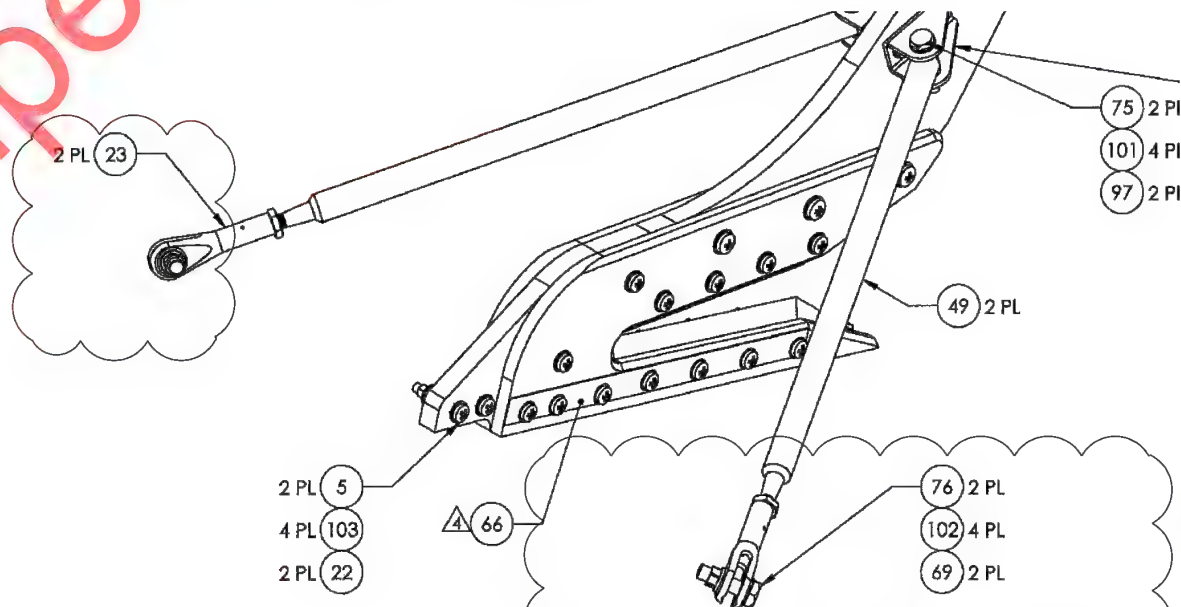
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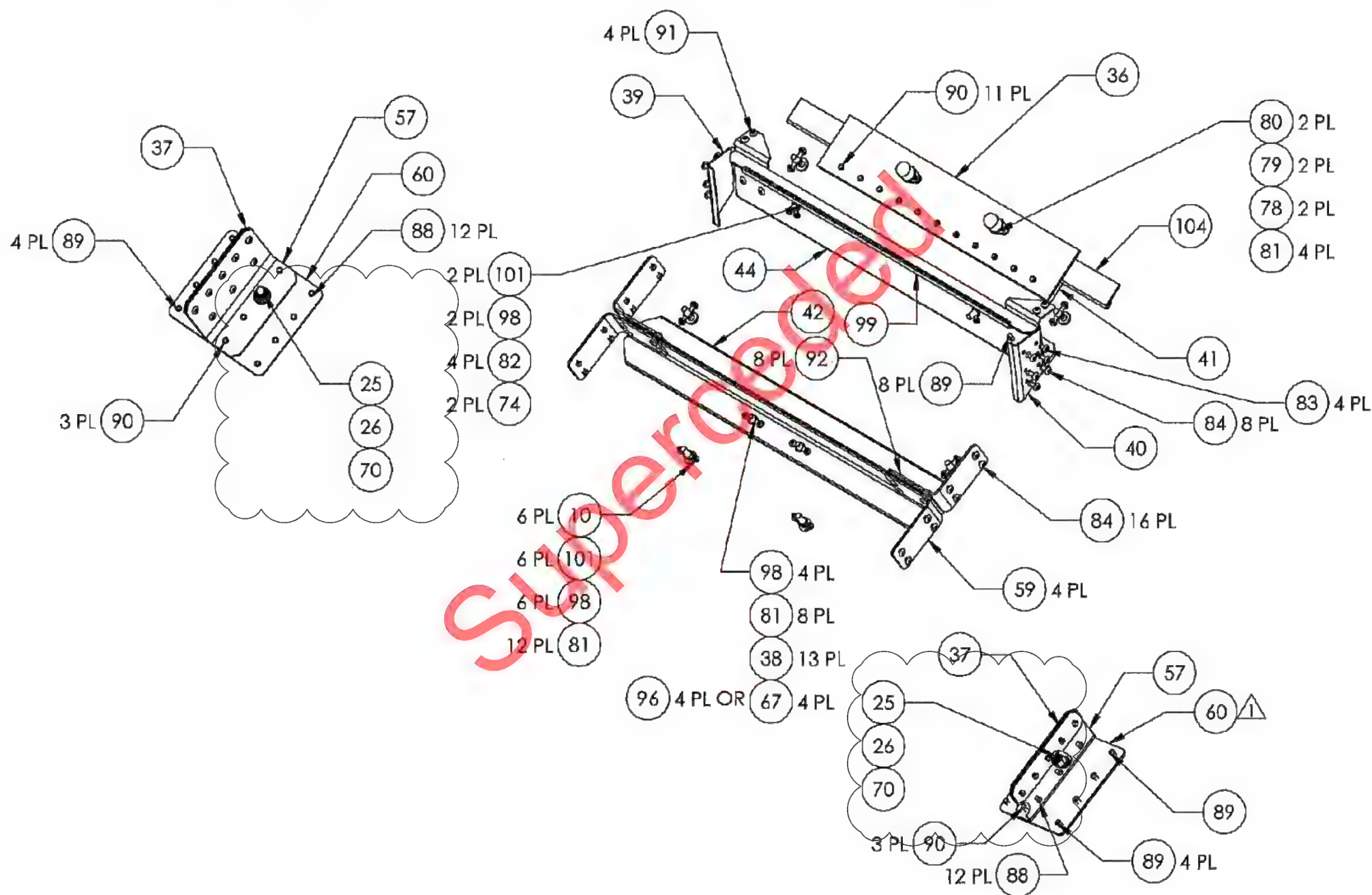
647.7361 T3H/P3H UPPER CUTTER REMOVABLE PROVISIONS 9

ORIGINAL DATE (MO-DA-YR) 11/24/09		 DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE			
DRAWN BY A. QUAN CHECKER D. BARKER					
DRAWING APPROVAL P. BRAVO 01/13/10 CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.7300	REV. F
SCALE NONE		SHEET 25 OF 25			

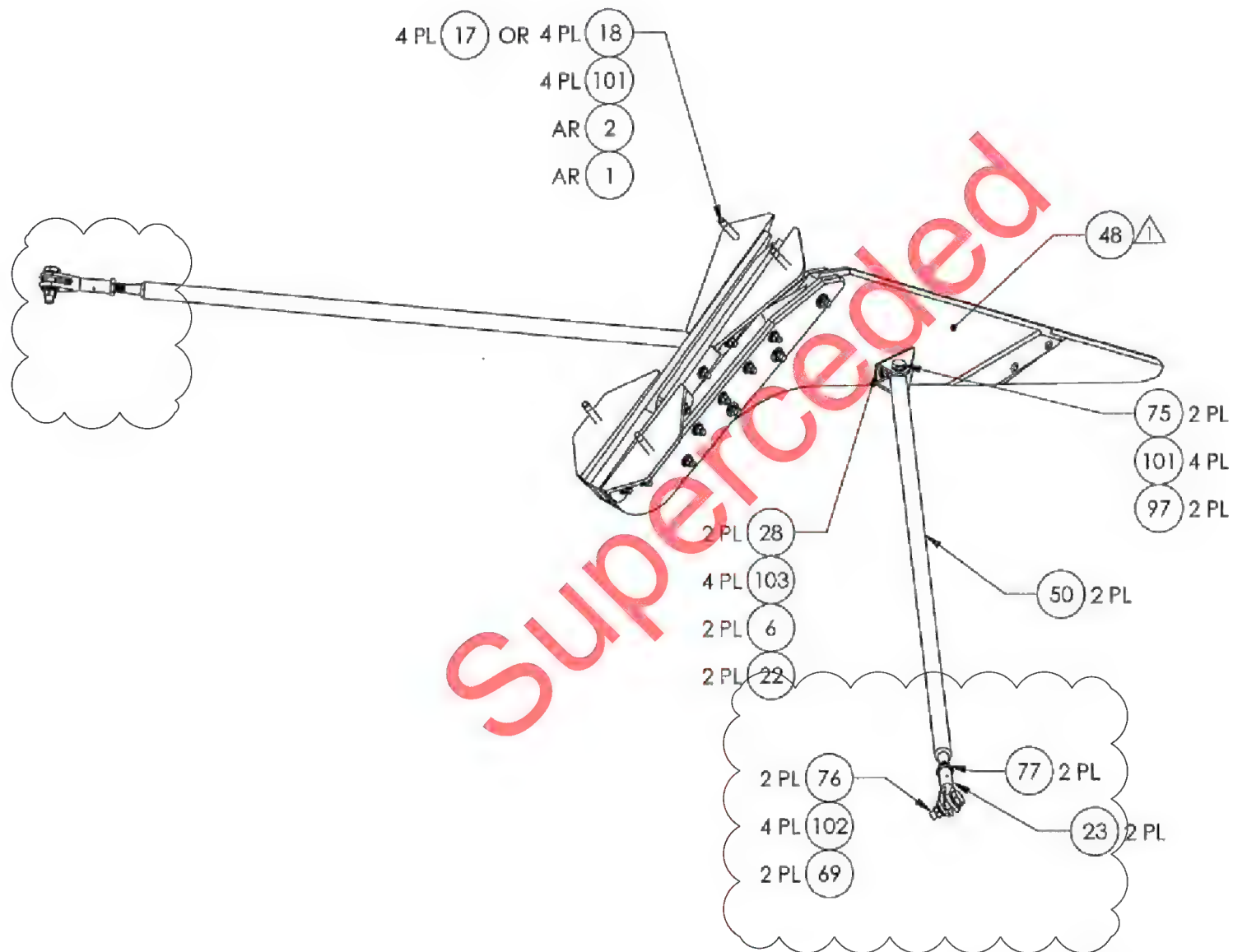
☐ YES ☒ NO

SHEET 9, ZONE A2 WAS:**SHEET 10, ZONE C3 WAS:**

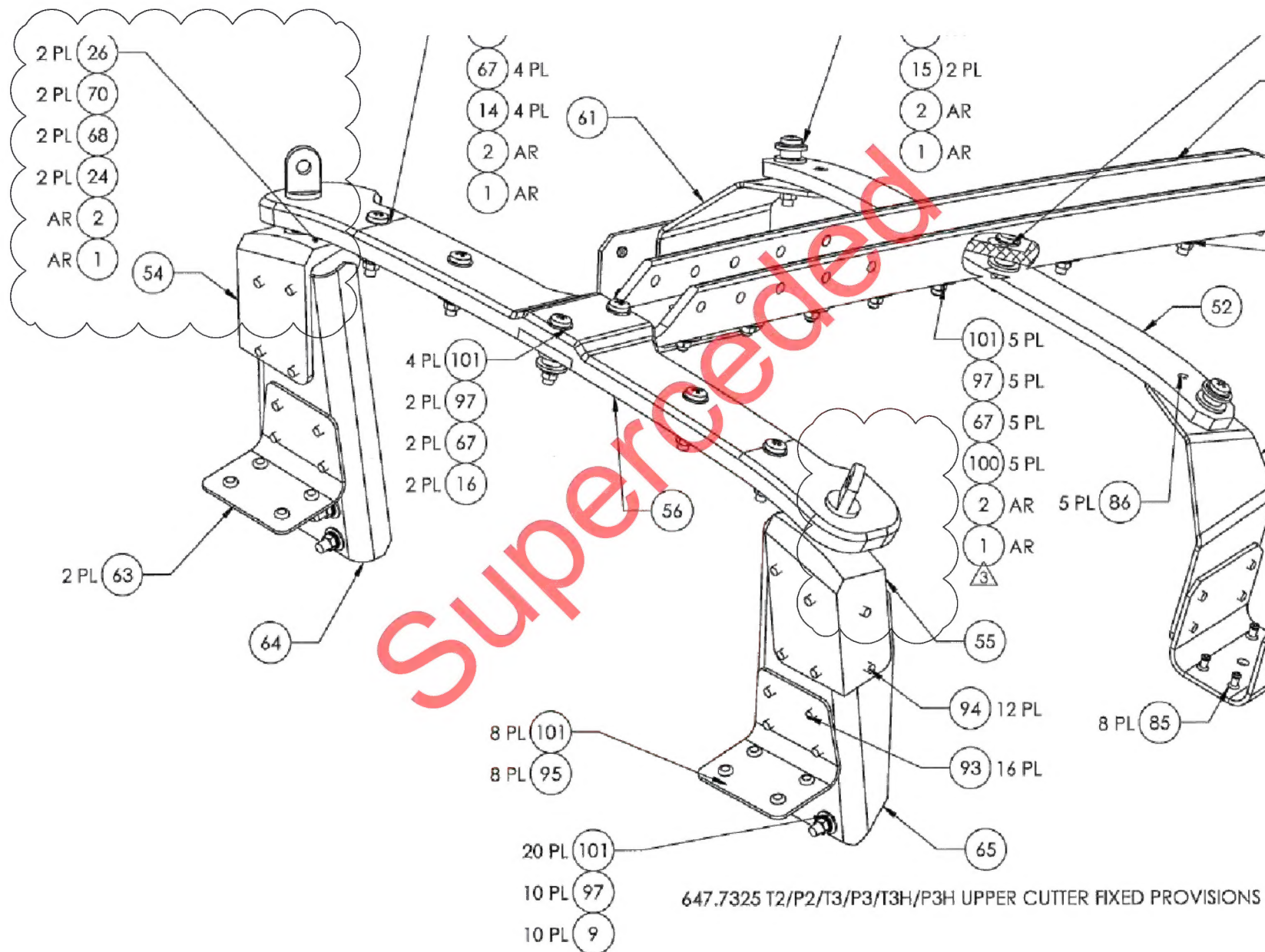
647.7323 T1/P1 UPPER CUTTER REMOVABLE PROVISIONS

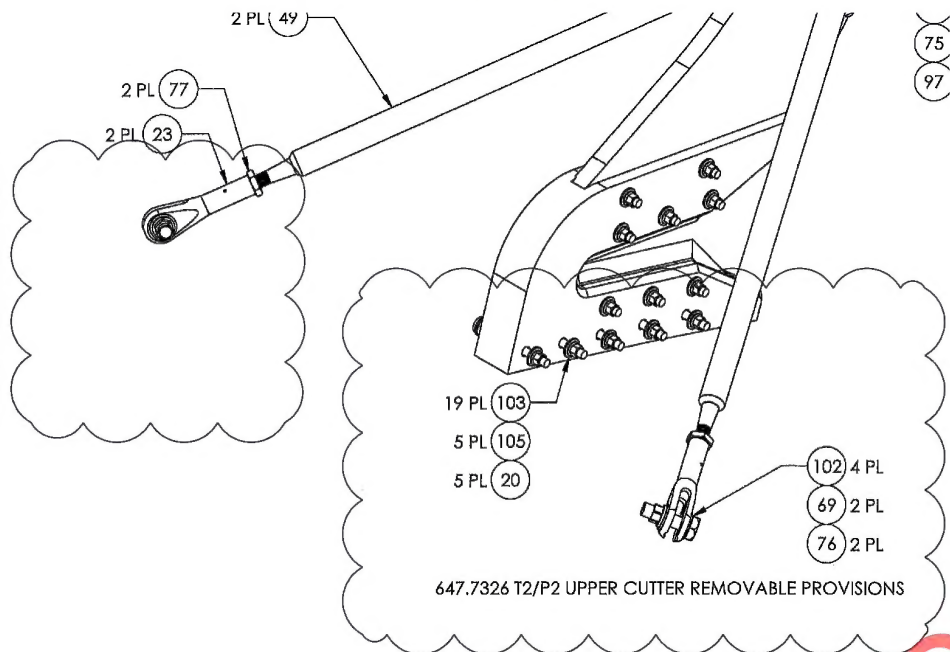
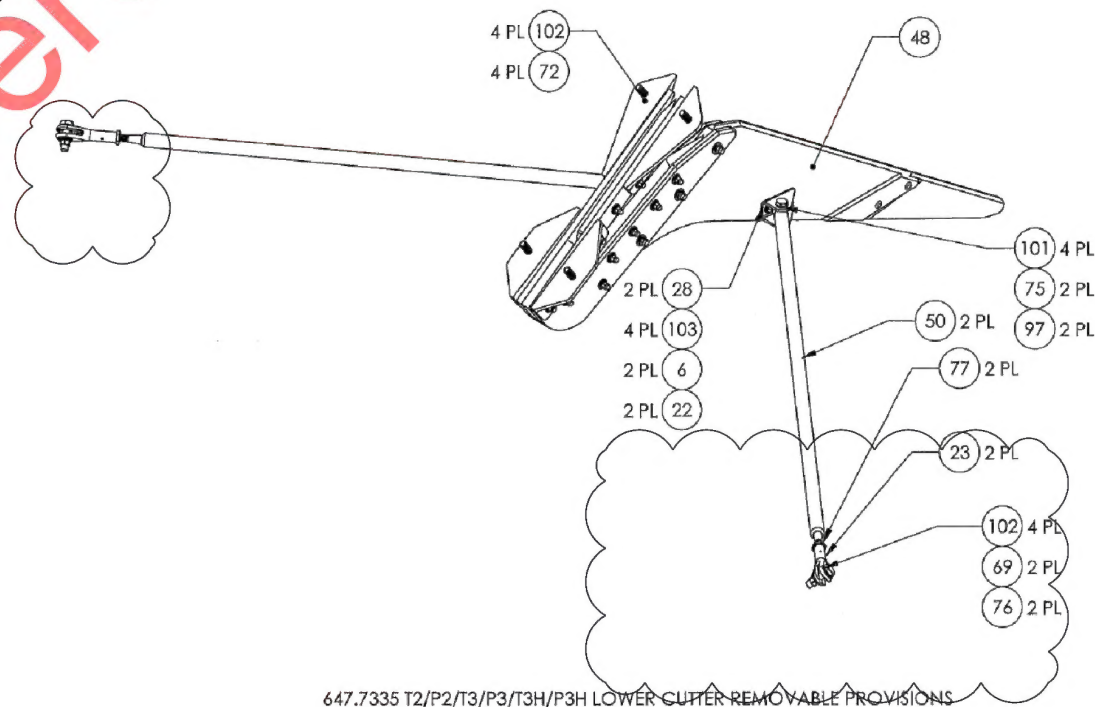
SHEET 12 WAS:

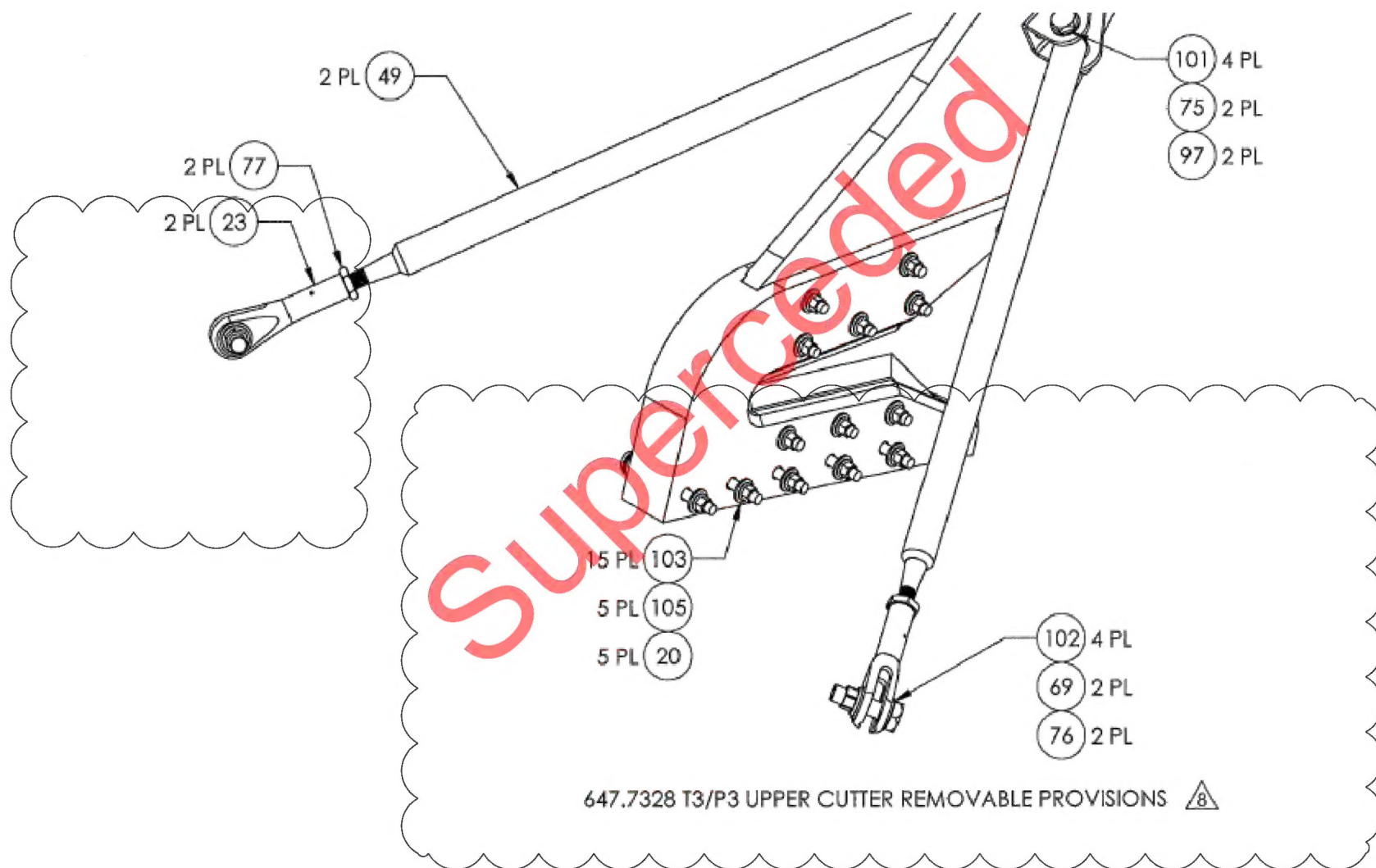
647.7332 UNIVERSAL LOWER CUTTER FIXED PROVISIONS

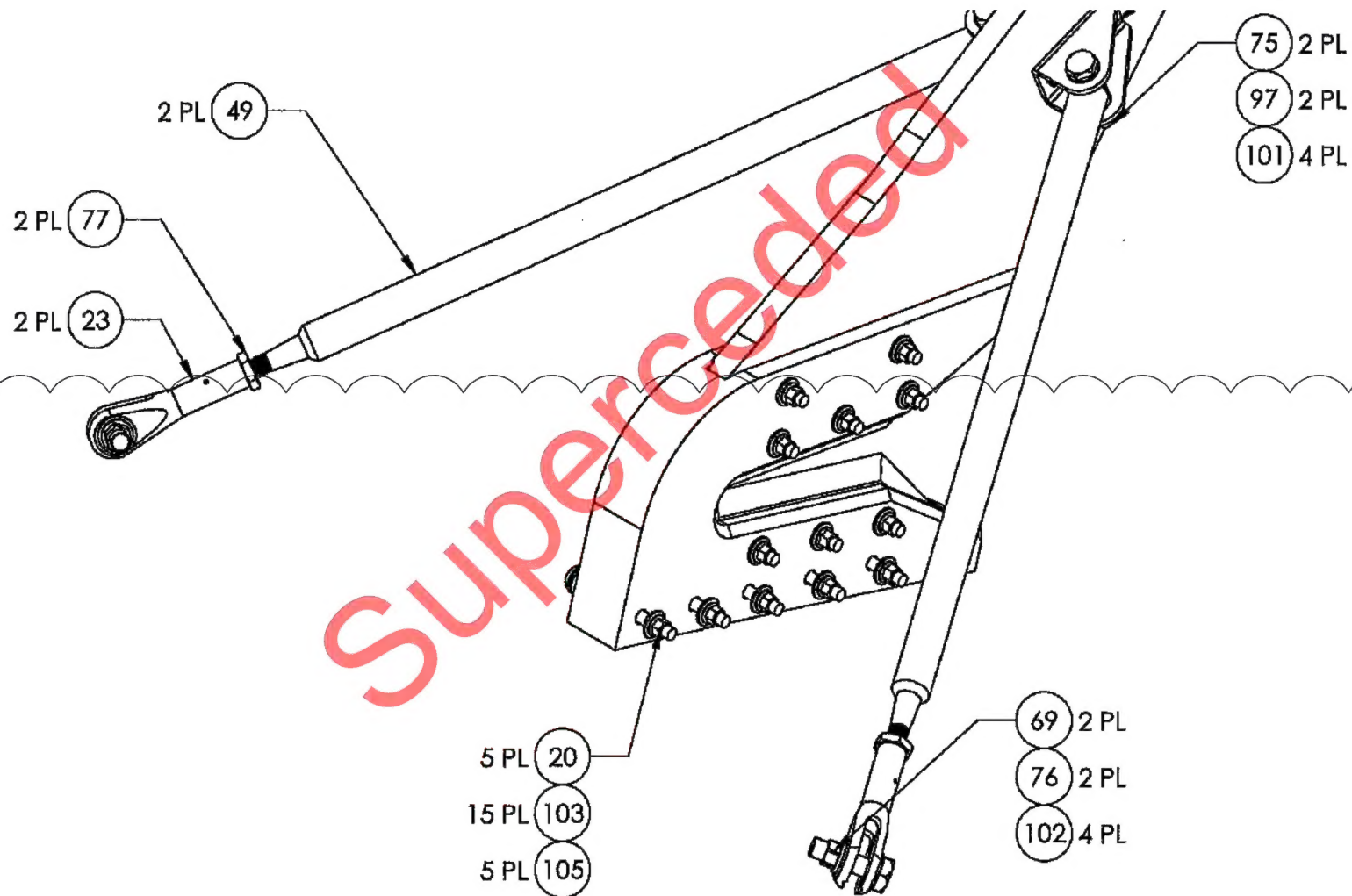
SHEET 13 WAS:

647.7333 T1/P1 LOWER CUTTER REMOVABLE PROVISIONS

SHEET 17 WAS:

SHEET 18, ZONE D3 WAS:**SHEET 20 WAS:**

SHEET 23, ZONE C3 WAS:

SHEET 25 WAS:

647.7361 T3H/P3H UPPER CUTTER REMOVABLE PROVISIONS